

MILITARY SPECIFICATION
RESISTORS, FIXED, FILM (HIGH STABILITY)
GENERAL SPECIFICATION FOR

Inactive for new design after 21 April
1994. For new design use MIL-R-55182.

This amendment forms a part of MIL-R-10509G, dated 21 April 1994, and is
approved for use by all Departments and Agencies of the Department of Defense.

PAGE 12

TABLE VII, delete and substitute the following:

"TABLE VII. Group B inspection.

Test <u>1</u> /	Requirement paragraph	Method paragraph	Number of samples
Resistance-temperature characteristic	3.17	4.6.12	4.5.1.4.1
Seal (as applicable)	3.8	4.6.3	4.5.1.4.1

1/ If the manufacturer can demonstrate that this test has been performed five consecutive times with zero failures, the frequency of this test(s), with the approval of the qualifying activity, can be performed on an annual basis. If the design, material, construction, or processing of the part is changed, or if there are any quality problems or failures, the qualifying activity may require resumption of the original test frequency."

4.5.1.4.1, delete and substitute the following:

"4.5.1.4.1 Sampling plan. A sample of 13 parts shall be randomly selected, if one or more defects are found, the lot shall be rescreened and defects removed. After screening and removal of defects, a new sample of 13 parts shall be randomly selected, if one or more defects are found in the second sample, the lot shall be rejected and shall not be supplied to this specification."

TABLE VIIa, delete in its entirety.

AMSC N/A

1 of 3

FSC 5905

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MIL-R-10509G
AMENDMENT 3

PAGE 13

4.5.1.5 through 4.5.1.5.3 inclusive, delete in their entirety.

PAGES 13 AND 14

TABLE VIII, delete in its entirety.

PAGE 14

4.5.3, delete and substitute the following:

"4.5.3 Retention of qualification. Every 6 months, the manufacturer shall compile a summary of the results of quality conformance inspections in the form of a retention of qualification report, and forward it to the qualifying activity within 30 days from the end of the reporting period as the basis of continued qualification approval. In addition, the manufacturer shall immediately notify the qualified activity whenever the group B inspection data indicates failure of the qualified product to meet the requirements of the specification. Continuation shall be based on the evidence that over the 6-month period, the following has been met:

- a. The manufacturer has not modified the design of the item.
- b. The specification requirements for the item have not been amended so far as to affect the character of the item.
- c. Lot rejection for group A inspection does not exceed the group A sampling plan.
- d. The requirements for group B inspection are met.

When group B requirements are not met and the manufacturer has taken corrective action satisfactory to the government, group B retesting shall be instituted. A summary of the retesting shall be forwarded to the qualifying activity within 30 days after completion of the retest. All reports are to be certified by a responsible company official and the government inspector."

PAGE 18

* 4.6.10, delete and substitute the following:

"4.6.10 Resistance to soldering heat (see 3.15). Resistors shall be tested in accordance with method 210 of MIL-STD-202. The following details and exceptions shall apply.

- a. Measurement before test: DC resistance shall be measured as specified in 4.6.2.
- b. Special preparation of specimen: Sample units shall not have been soldered during any of the previous tests.
- c. Test condition letter: B.
- d. Examination and measurement after test: Resistors shall be visually examined under 10X magnification and dc resistance shall be measured as specified in 4.6.2."

MIL-R-10509G
AMENDMENT 3

PAGE 20

- * TABLE X, delete and substitute notes 4/ and 5/.

4/ Characteristic G only.

5/ Characteristic C, D, E, and F only.”

The margins of this amendment are marked with an asterisk to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

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Preparing activity:

DLA - CC

Agent:

DLA - CC

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